

**bs-1061R****[ Primary Antibody ]****MPO Rabbit pAb****BioSS**  
**ANTIBODIES**

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Cow, Dog, GuineaPig, Horse)
<b>GeneID:</b> 4353	<b>SWISS:</b> P05164	
<b>Target:</b> MPO		<b>Predicted MW.:</b> 84 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Myeloperoxidase: 51-150/745.		<b>Subcellular Location:</b> Cytoplasm
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014]		

**— SELECTED CITATIONS —**

- **[IF=17.694]** Zhang, Shengchang. et al. Remodeling articular immune homeostasis with an efferocytosis-informed nanoimitator mitigates rheumatoid arthritis in mice. NAT COMMUN. 2023 Feb;14(1):1-16 IHC ;Mouse. 36781864
- **[IF=7.4]** Yaxi Zhou. et al. Two protein-derived peptides from Bombyx mori attenuate colitis by enhancing intestinal barrier function and modulating gut microbiota ecology. Food Frontiers. 2024 Aug;; IHC ;Mouse. 10.1002/fft2.469
- **[IF=6.064]** Zhang Xuyang. et al. A modified method for constructing experimental rat periodontitis model. FRONT BIOENG BIOTECH. 2022 Dec;10:2451 IHC ;Rat. 10.3389/fbioe.2022.1098015
- **[IF=4.86]** Li et al. Inhibition of p38/Mk2 signaling pathway improves the anti-inflammatory effect of WIN55 on mouse experimental colitis. (2013) Lab.Inves. 93:322-33 IHC ;Mouse. 23381627
- **[IF=4.8]** Song Xiaodong. et al. 5-oxoETE promote thrombosis in antiphospholipid syndrome by triggering NETs formation through PLC/PKC/ERK pathway. INFLAMM RES. 2024 Oct;;1-13 ELISA,IF ;Human,Mouse. 39377801